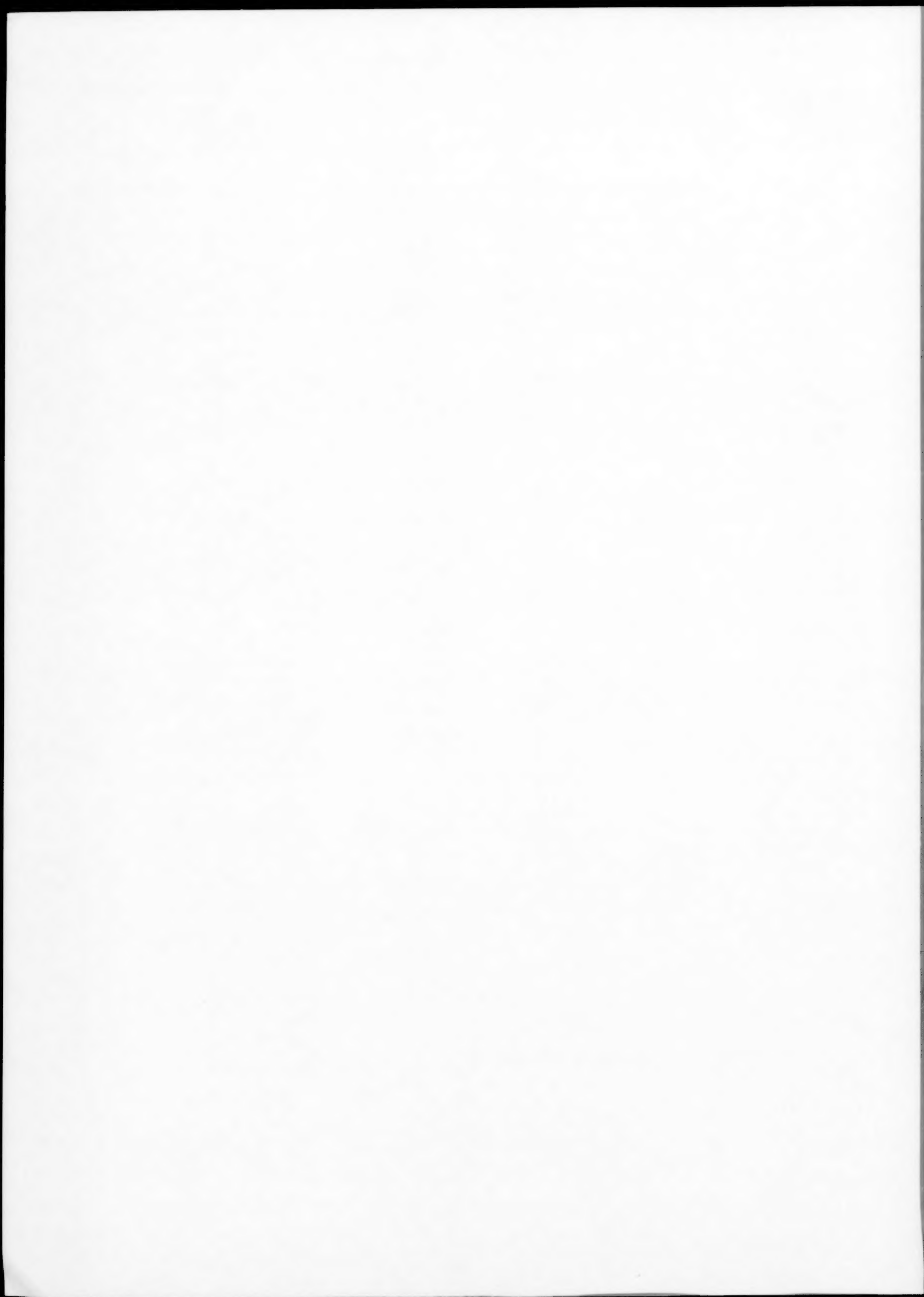


Author Index

- Alince, B., 153
Antal, K., 365
Ashokkumar, M., 143
- Baranyi, L., 379
Bartók, M., 397
Behra, P., 347
Berger, F., 305
Bóta, A., 441
- Cechova, M., 153
Chibowski, E., 67
Csempesz, F., 419
Csobán, K., 347
- de Keizer, A., 327
Dékány, I., 305, 319, 327, 397, 405
Dierkes, F., 217
Dokic, P., 435
Dokic-Baucal, L., 435
Drummond, C.J., 131
Dukhin, S.S., 253, 269
- Elliot, D.J., 9
Everett, D., 279
- Fainerman, V.B., 253
Ferencz, K., 319
Filho, N.L.D., 181
Franco, D.W., 181
Furlong, D.N., 9
- Gardner, K.H., 237
Gilbert, E.P., 81
Gittings, M.R., 111
Goddard, E.D., 165
Grieser, F., 9
Gushikem, Y., 181
Györvary, E., 205
- Haegel, F.-H., 217
Harris, C.C., 189
Hayes, R.A., 3
Ho, C.C., 19, 29
- Holt, Ø., 269
Horvath, G., 295
Hu, Y., 193
Huang, L., 189
Hunter, R.J., 37
- Jakovljevic, J., 435
Johnson, S.B., 119
Jokinen, M., 205
Joo, P., 337, 347, 365
Juhász, A.Z., 449
- Király, Z., 397, 405
Koopal, L.K., 385
Koutsoukos, P.G., 101
Koval'chuk, V.I., 253
Kriechbaum, M., 441
- Lakatos, I., 425
Lakatos-Szabó, J., 425
Larwa, M., 67
Lee, K.C., 19
Lyklema, J., 101
- Marston, N.J., 73
Mastalir, A., 397
Mekhemer, G.A.H., 227
Michéli, E., 379
Miller, J.D., 193
Miller, R., 253
Minnaard, A.J., 385
Minor, M., 101
Mishchuk, N.A., 269
Misra, D.N., 173
Mulvaney, P., 143
- Nagy, M., 419
- Ottewill, R.H., 29
- Párkányi-Berka, M., 347
- Ralston, J., 3
Ramsden, J.J., 287
Regismond, S.T.A., 165
Reynolds, P.A., 81
Rohrsetzer, S., 419
Rosenholm, J.B., 205
Rowell, R.L., 67
Russell, A.S., 119
- Saville, D.A., 111
Scales, P.J., 119
Schultz, M.S., 181
Schwuger, M.J., 217
Shrotri, S., 189
Simpson, D., 143
Sjöblom, J., 269
Somasundaran, P., 189
Spanos, N., 101
Sæther, Ø., 269
Szekeres, M., 319, 327, 379
Szűcs, A., 405
- Tanno, K., 143
Theis, T.L., 237
Theunissen, P.L.M., 385
Toikka, G., 3
Tombácz, E., 319, 379
Tsekov, R., 161
Tsevis, A., 101
Turi, L., 405
- van de Ven, T.G.M., 153
Van Riemsdijk, W.H., 385
van der Linde, A.J., 101
Vasconcellos, L.C.G., 181
Veeramasuneni, S., 193
Vincent, B., 73
- Wells, D., 131
White, J.W., 81
Winnik, F.M., 165
- Yang, Y., 385
Yezek, L., 67
Young, T.C., 237



Subject Index

- Acoustosizer, 37
Adsorption, 81, 173, 305, 319, 327
Adsorption capacity, 305
Adsorption isotherm, 189
Adsorption layer, 405
Adsorption layer thickness, 305
Adsorption preference, 419
Aerodynamic pressure oscillations, 253
Aggregation, 205, 237
Alkali metal citrates, 173
Alkane, 81
Alumina, 119, 319
Aminopropyl silica, 385
2-amino-1,3,4-thiadiazole, 181
Amorphous silica, 347
Aqueous solution, 143

Bicontinuous microemulsion, 217
Binary mixtures, 305
Biomolecules, 287
Bridging flocculation, 419
Bubble dead time, 253
Bubble lifetime, 253

Calcium carbonate, 153
Capillary flow, 73
Carbohydrate surfactants, 131
Catalytic hydrogenation, 397
Cationic surfactant, 327
Cations, 425
CdS, 143
Chromium, 425
Chromium(III), 347
Clay-composites, 337
Clay-modified electrode, 365
Clay-modified electrodes, 337
Clays, 405
Colloid, 237
Colloid-modified electrodes, 337
Colloidal dispersions, 419
Colloidal stability, 19

Colloid probe atomic force microscopy, 3
Competitive adsorption, 419
Copper complex with 2-amino-1,3,4-thiadiazole, 181
Copper sulfide, 9

Desorption, 347
Differential settling, 237
Diffusion, 425
Dilute emulsion, 269
Dimple, 161
Dispersants, 153
Dispersion, 3
Dispersion stability, 419
Doped titania, 101
Dynamic surface tension, 253

Electroacoustic, 119
Electroacoustics, 37
Electrokinetic behavior, 193
Electrokinetics, 37, 101
Electroluminescence, 143
Electron spin resonance of copper complexes, 181
Electrophoresis, 29, 67
Electrophoretic mobility, 111
Electrosteric stability, 153
Ellipsoidal particles, 29
Emulsions, 37
Exclusion, 327
Experiments, 347

Film drainage, 161, 165
Fluoride, 347
Fluoride salts, 193
Foaming, 165
foams, 131
Fractal dimension, 205, 237
Free enthalpy of adsorption, 305

Gel, 425
Graphical technique, 189
Graphimetry, 397

- Graphite, 81
Green emission, 143
- H₂ titration, 397
Heterocoagulation, 3, 29
Humic acid, 385
Humus coating, 379
Hydrodynamic size, 111
Hydrogen bonding liquids, 193
Hydroxyapatite, 173
- Immobilisation of humic acid, 385
Incorporation, 337
In situ remediation, 217
Interfacial, 287
Intradoublet coalescence, 269
Intrinsic viscosity, 435
Ion-exchange, 173
Irradiation, 67
Iso-electric point, 385
- Kaolin, 119
Kinetics, 287
- Lactase surfactants, 131
Lactitol surfactants, 131
Langmuir–Blodgett films, 9
Lattice ion solvation, 193
Lattice structure, 449
LDH, 405
Light scattering, 111
Liposome, 441
Lyotropic transitions, 131
- Maltodextrin, 435
Maximum bubble pressure, 253
Mechanochemistry, 449
Membrane, 73
Memory, 441
Metallic cations, 19
Metallic copper, 9
Micellization, 131
Multilayers, 305
- Nano-particles, 295
Nano-pores, 295
Nano-sized particles, 9
Nanoparticle CdS, 405
Nanoreactors, 405
Nanowires/nanoparticles, 337
Nitrogen adsorption, 227
Non-hydrogen bonding liquids, 193
Numerical modeling, 237
- Oil-in-water emulsion, 269
Optical, 287
Organic solvent, 193
Organic surface modification, 379
Organo-mineral complex, 365
Organo-mineral complexes, 379
- Parameter estimation, 237
Particle size, 37
Pd semiconductors, 405
Phase behaviour, 217
Phase transition, 441
Phosphated zirconia, 227
Polymer, 425
Polymer adsorption, 73
Polymer bridging by PEO, 153
Polymer JR400, 165
Polymer mixtures, 419
Polystyrene, 73
Pore characterization, 295
Porosity, 327
Powders, 143
Proton charge density, 385
- Radioabsorption, 365
Radiofrequency effect, 67
Raman and IR spectroscopy, 227
Rape oil–methyl ester, 217
Reswelling kinetics, 73
Reversible flocculation, 269
Rheological behaviour, 435
Rheology, 205, 379, 405
- Salicylate, 319
SAXS, 405
Scaling exponents, 205
Secondary transformation of particles, 449
Shear yield stress, 119
Silica, 3, 327
Silica gel, 181
Silica gel modified with 2-amino-1,3,4-thiadiazole, 181
Silicate, 425
Singlet–doublet system, 269
Size quantization, 405
Soil colloids, 379
Sol–gel, 205
Solid/liquid ratio, 189
Sorption, 347
Sorption microcalorimetry, 397
Stability, 153
Structure, 81, 287
Sugar surfactants, 131
Suppression of liquid crystals, 217
Surface, 81

- Surface charge, 29, 173, 327
- Surface charge mechanism, 193
- Surface charge titration, 379
- Surface complex formation, 319
- Surface layer composition, 305
- Surface speciation equilibria, 319
- Surface tension, 131
- Surface viscoelasticity, 165
- Surfactant, 165
- Suspensions, 405
- Thermotropic transitions, 131
- Thin liquid films, 161
- Thinning rate, 161
- Tin tailings slurries, 19
- Titanium dioxide, 67
- Transition metals, 397
- Transmission electron microscopy, 397
- Transport process, 365
- Video enhanced microscopy, 269
- Weathering, 319
- Wetting, 131
- X-ray diffractometry, 227
- Zeta potential, 37, 67, 111
- Zinc sulfide sphalerite, 3
- Zirconia, 227
- Zirconium hydroxide, 227
- ZnS, 405

